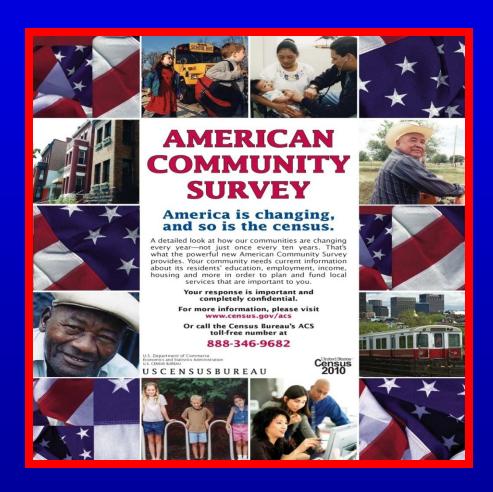
An Overview of the American Community Survey

Baltimore "Data Day" July 23, 2010

Lanette M. Swopes
Partnership Specialist

What is the American Community Survey?

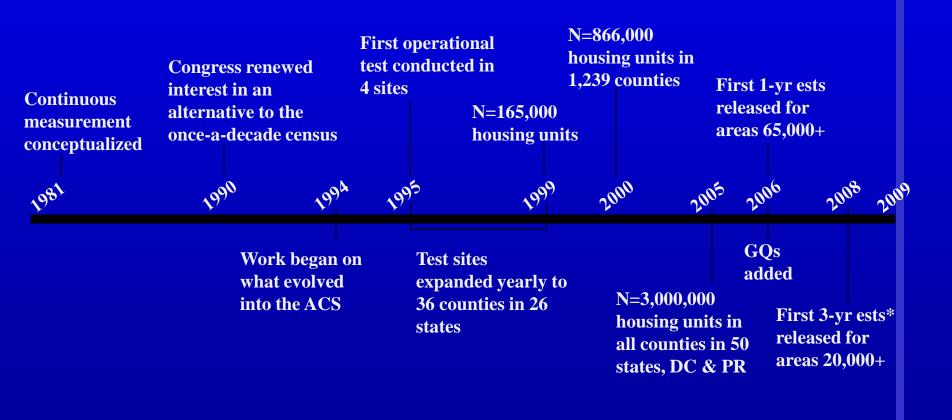


What is the American Community Survey?

A large, continuous survey that:

- Is sent to approximately 3 million resident addresses per year
- Produces characteristics of population and housing
- Produces estimates for small areas and small population groups

Timeline of the ACS



4

What are the Purposes of the ACS?

- Determine funding and policies for federal programs
- Understand characteristics of the population of an area for local planning needs
- Make comparisons across areas
- Assess change over time in an area

Developing the ACS

The ACS was developed to:

- 1. Focus the Census on improving the population count
- 2. Provide characteristic data more than once every 10 years to frame policy issues
- 3. Allow use of current data to respond to new trends

Decennial Census

Census 2000 used 2 forms:

- 1."short" form basic demographic and housing
- 2."long" form collected more in-depth information

Only a sample of the population received the long form

2010 Census and the ACS

2010 Census

<u>ACS</u>

- U.S. population <u>count</u>
- Short form only
- Only long form is for U.S. territories, except Puerto Rico
- "Usual residence" rule

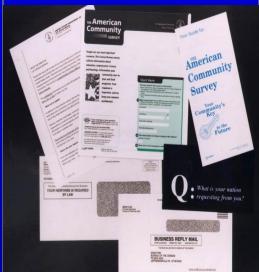
- U.S. population characteristics
- Includes short form questions
- Conducted in Puerto Rico

• "Current residence" rule

ACS Operations

Mail: (Month 1)

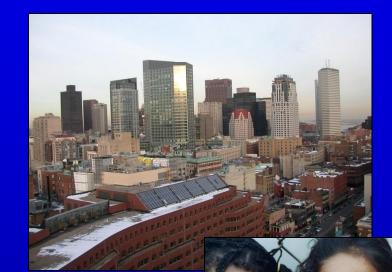
Telephone: CATI (Month 2) Personal Visit: CAPI (Month 3)





American Community Survey Content







Selected Topics on the ACS

- Ancestry
- Class of Worker
- Disability Status
- Educational Attainment
- Fertility
- Health Insurance Coverage
- Hispanic or Latino Origin

- Marital Status and Martial History
- Kitchen Facilities
- Journey to Work
- Owner Statistics
- Poverty
- School Enrollment
- Veterans
- Value of Home

ACS Period Estimates

Describe the <u>average</u> characteristics over a specific period of time

Contrast with point-in-time estimates

 Describe characteristics as of a specific date, such as April 1, 2010

Period is 1 year, 3 years, or 5 years data (combined for 12 months, 36 months, or 60 months)

Population Thresholds for ACS Estimates

<u>Publication thresholds</u>	1-year estimates	3-year estimates	<u>5-year estimates</u>
65,000+ people	X	X	X
20,000+ people		X	X
Less than 20,000 people			X

American Community Survey Data Products Release Schedule

Data Product	Population Size		Data released in:						
	of Area	2006	2007	2008	2009	2010	2011	2012	2013
1-Year Estimates for Data Collected in:	65,000+	2005	2006	2007	2008	2009	2010	2011	2012
3-Year Estimates for Data Collected in:	20,000+			2005-2007	2006-2008	2007-2009	2008-2010	2009-2011	2010-2012
5-Year Estimates for Data Collected in:	All Areas*					2005-2009	2006-2010	2007-2011	2008-2012

^{*} Five-year estimates will be available for areas as small as census tracts and block groups. Source: US Census Bureau

American Community Survey Comparison Guidance

- Comparing ACS 1-year data
 - Census Bureau supports comparisons between 2007 and 2008 ACS 1-year data.
 - Improvements to the questionnaire may impact comparability.
- Comparing 2008 ACS 1-year data to Census 2000
 - Differences between the 2008 ACS and Census 2000 include residence rules, universes, and reference periods.

How to access ACS Data Products?

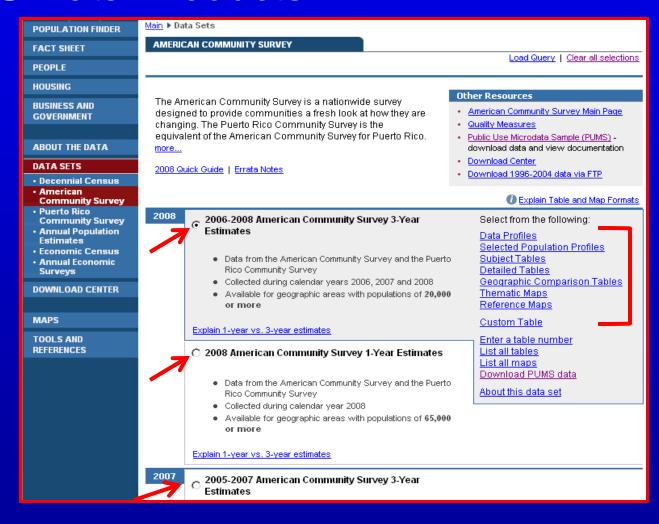
U.S. Census Bureau Home Page



American FactFinder



ACS Data Products



ACS Data Products

Profiles

- Data Profiles
- Narrative Profiles
- Comparison Profiles
- Selected Population Profiles

Tables

- Detailed Tables and Collapsed Tables
- Subject Tables
- Ranking Tables
- Geographic Comparison Tables

Thematic Maps

Public Use Microdata Sample (PUMS) Files

Data Profiles



United States

Selected Social Characteristics in the United States: 2006-2008
Data Set: 2006-2008 American Community Survey 3-Year Estimates
Survey: American Community Survey

Social - Education, Marital Status, Relationships, Fertility, Grandparents...

<u>Economic</u> - Income, Employment, Occupation, Commuting to Work...

<u>Housing</u> - Occupancy and Structure, Housing Value and Costs, Utilities...

<u>Demographic</u> - Sex and Age, Race, Hispanic Origin, Housing Units...

Narrative - Text profile with graphs for easy analysis...

NOTE. Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the <u>official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for states and counties.</u>

For more information on confidentiality protection, sampling error, nonsampling error, and definitions, see Survey Methodology.

<u>Sarroj moriodologi</u> .				
Selected Social Characteristics in the United States	<u>Estimate</u>	Margin of Error	Percent	Margin of Error
HOUSEHOLDS BY TYPE				
Total households	112,386,298	+/-100,058	112,386,298	(X)
Family households (families)	74,870,525	+/-101,406	66.6%	+/-0.1
With own children under 18 years	34,884,816	+/-72,652	31.0%	+/-0.1
Married-couple family	55,706,062	+/-128,325	49.6%	+/-0.1
With own children under 18 years	24,045,128	+/-87,862	21.4%	+/-0.1
Male householder, no wife present, family	5,155,903	+/-21,853	4.6%	+/-0.1
With own children under 18 years	2,537,787	+/-16,091	2.3%	+/-0.1
Female householder, no husband present, family	14,008,560	+/-35,820	12.5%	+/-0.1
With own children under 18 years	8,301,901	+/-29,427	7.4%	+/-0.1
Nonfamily households	37,515,773	+/-40,451	33.4%	+/-0.1
Householder living alone	30,894,218	+/-45,512	27.5%	+/-0.1
65 years and over	10,432,779	+/-38,774	9.3%	+/-0.1

Narrative Profiles



United States

Population and Housing Narrative Profile: 2006-2008

Data Set: 2006-2008 American Community Survey 3-Year Estimates

Survey: American Community Survey

Social - Education, Marital Status, Relationships, Fertility, Grandparents...

<u>Economic - Income, Employment, Occupation, Commuting to Work...</u>

<u>Housing - Occupancy and Structure, Housing Value and Costs, Utilities...</u>

<u>Demographic - Sex and Age, Race, Hispanic Origin, Housing Units...</u>

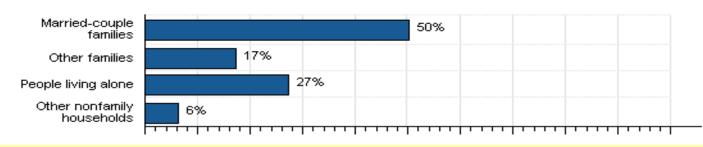
Narrative - Text profile with graphs for easy analysis...

HOUSEHOLDS AND FAMILIES: In 2006-2008 there were 112.4 million households in United States. The average household size was 2.6 people.

Families made up 67 percent of the households in United States. This figure includes both married-couple families (50 percent) and other families (17 percent). Nonfamily households made up 33 percent of all households in United States. Most of the nonfamily households were people living alone, but some were composed of people living in households in which no one was related to the householder.

The Types of Households in United States in 2006-2008





Comparison Profiles



United States

Selected Social Characteristics in the United States: 2008
Data Set: 2008 American Community Survey 1-Year Estimates
Survey: American Community Survey

Social - Education, Marital Status, Relationships, Fertility, Grandparents...

<u>Economic</u> - Income, Employment, Occupation, Commuting to Work...

<u>Housing</u> - Occupancy and Structure, Housing Value and Costs, Utilities...

<u>Demographic</u> - Sex and Age, Race, Hispanic Origin, Housing Units...

An * indicates that the estimate is significantly different (at a 90% confidence level) than the estimate from the most current year. A 'c' indicates the estimates for that year and the current year are both controlled; a statistical test is not appropriate.

	2008	2007	2008 - 2007 Statistical	2006	2008 - 2006 Statistical
Selected Social Characteristics in the United States	Estimate		Significance		Significance
HOUSEHOLDS BY TYPE					
Total households	113,101,329	112,377,977	*	111,617,402	
Family households (families)	66.3%	66.8%	*	66.8%	*
With own children under 18 years	30.7%	31.1%	*	31.3%	*
Married-couple family	49.2%	49.7%	*	49.7%	*
With own children under 18 years	21.1%	21.4%	*	21.6%	*
Male householder, no wife present, family	4.6%	4.6%	*	4.6%	
With own children under 18 years	2.3%	2.3%		2.2%	
Female householder, no husband present, family	12.5%	12.5%		12.5%	
With own children under 18 years	7.4%	7.4%		7.4%	*
Nonfamily households	33.7%	33.2%	*	33.2%	*
Householder living alone	27.8%	27.3%	*	27.3%	*
65 years and over	9.4%	9.1%	*	9.1%	*

Selected Population Profiles

United States

S0201. Selected Population Profile in the United States 🚱

Country of Birth: Japan

Data Set: 2006-2008 American Community Survey 3-Year Estimates

Survey: American Community Survey

NOTE. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see <u>Survey Methodology</u>.

<u>carror montoacioq</u> .							
Subject	Total population	Margin of Error	Japan	Margin of Error			
TOTAL NUMBER OF RACES REPORTED	TOTAL NUMBER OF RACES REPORTED						
Total population	301,237,703	****	346,470	+/-6,349			
One race	97.8%	+/-0.1	97.7%	+/-0.2			
Two races	2.0%	+/-0.1	2.2%	+/-0.2			
Three races	0.1%	+/-0.1	0.0%	+/-0.1			
Four or more races	0.0%	+/-0.1	0.0%	+/-0.1			
SEX AND AGE							
Total population	301,237,703	****	346,470	+/-6,349			
Male	49.3%	+/-0.1	35.4%	+/-0.7			
Female	50.7%	+/-0.1	64.6%	+/-0.7			
Under 5 years	6.9%	+/-0.1	1.7%	+/-0.2			
5 to 17 years	17.6%	+/-0.1	5.9%	+/-0.4			
18 to 24 years	9.8%	+/-0.1	7.3%	+/-0.7			
25 to 34 years	13.3%	+/-0.1	17.2%	+/-0.8			
35 to 44 years	14.3%	+/-0.1	24.2%	+/-0.7			
45 to 54 years	14.6%	+/-0.1	14.5%	+/-0.6			
55 to 64 years	10.8%	+/-0.1	11.7%	+/-0.5			
65 to 74 years	6.5%	+/-0.1	9.1%	+/-0.5			
75 years and over	6.1%	+/-0.1	8.3%	+/-0.4			

Detailed Tables

Table Name

Table Number

316007. AGE DY LANGUAGE SPOKEN AT HOME FOR THE DODULATION S YEARS AND OVER -

Universe: POPULATION 5 YEARS AND OVER Universe

Data Set: 2006-2008 American Community Survey 3-Year Estimates

Survey: American Community Survey

Data Source

NOTE. Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the <u>official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for states and counties.</u>

For information on confidentiality protection, sampling error, nonsampling error, and definitions, see Survey Methodology.

United States

Collapsed Version

جريس <u>و collapsed version of this table</u>. Geographies missing from this table are listed below the table.

	United States			
	Estimate	Margin of Error		
Total:	280,564,877	+/-7,708		
5 to 17 years:	53,133,749	+/-11,294		
Speak only English	42,287,816	+/-28,233		
Speak Spanish	7,794,078	+/-23,427		
Speak other Indo-European languages	1,477,646	+/-16,193		
Speak Asian and Pacific Island languages	1,163,453	+/-9,662		
Speak other languages	410,756	+/-9,414		
18 to 64 years:	189,450,992	+/-10,386		
Speak only English	150,559,008	+/-60,303		
Speak Spanish	24,032,441	+/-36,168		
Speak other Indo-European languages	7,031,759	+/-36,423		
Speak Asian and Pacific Island languages	6,162,338	+/-24,791		
Speak other languages	1,665,446	+/-22,045		
65 years and over:	37,980,136	+/-7,120		
Speak only English	32,641,975	+/-14,450		
Speak Spanish	2,357,228	+/-7,495		
Speak other Indo-European languages	1,837,972	+/-12,123		
Speak Asian and Pacific Island languages	942,186	+/-5,662		
Speak other languages	200,775	+/-4,802		
O				

Source: U.S. Census Bureau, 2006-2008 American Community Survey

Margin of Error

Detailed Tables - Collapsed Version

C16007. AGE BY LANGUAGE SPOKEN AT HOME FOR THE POPULATION 5 YEARS AND OVER -

Universe: POPULATION 5 YEARS AND OVER

Data Set: 2006-2008 American Community Survey 3-Year Estimates

Survey: American Community Survey

NOTE. Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Censul Population Estimates Program that produces and disseminates the <u>official estimates of the population for the nation, states, counties, estimates of housing units for states and counties.</u>

For information on confidentiality protection, sampling error, neasonpling error, and definitions, see Survey Methodology.

View the <u>noncollapsed</u> <u>version of this table</u>.

	United States		
	Estimate	Margin of Error	
Total:	280,564,877	+/-7,708	
5 to 17 years:	53,133,749	+/-11,294	
Speak only English	42,287,816	+/-28,233	
Speak Spanish	7,794,078	+/-23,427	
Speak all other languages	3,051,855	+/-18,967	
18 to 64 years:	189,450,992	+/-10,386	
Speak only English	150,559,008	+/-60,303	
Speak Spanish	24,032,441	+/-36,168	
Speak all other languages	14,859,543	+/-43,303	
65 years and over:	37,980,136	+/-7,120	
Speak only English	32,641,975	+/-14,450	
Speak Spanish	2,357,228	+/-7,495	
Speak all other languages	2,980,933	+/-12,589	

Source: U.S. Census Bureau, 2006-2008 American Community Survey

Total:
5 to 17 years:
Speak only English
Speak Spanish
Speak other Indo-European languages
Speak Asian and Pacific Island languages
Speak other languages

Subject Tables

California

S1401. School Enrollment @

Data Set: 2006-2008 American Community Survey 3-Year Estimates

Survey: American Community Survey

NOTE. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see Survey Methodology.

<u>Percent</u> of enrolled population Total Margin of Error In public school Margin of Error In private school Margin of Error Subject Population 3 years and over enrolled in school 10,299,249 +/-18.440 85.7% +/-0.114.3% +/-0.1Nursery school, preschool 592,076 +/-7,299 55.0% +/-0.745.0% +/-0.7 Kindergarten to 12th grade 6,856,169 +/-10,422 90.8% +/-0.1 9.2% +/-0.1 Kindergarten +/-6.408 88.1% +/-0.4 11.9% +/-0.4 498,381 Elementary: grade 1 to grade 4 1,974,316 +/-11,764 90.2% +/-0.2 9.8% +/-0.2 Elementary: grade 5 to grade 8 2,087,868 +/-11,866 90.9% +/-0.2 9.1% +/-0.2 High school: grade 9 to grade 12 2,295,604 +/-7,790 91.9% +/-0.2 8.1% +/-0.2 84.0% +/-0.3 College, undergraduate 2,395,619 +/-16,296 16.0% +/-0.3 58.3% +/-0.8 41.7% Graduate, professional school 455,385 +/-6.048 +/-0.8 Percent of age group enrolled in school --3 and 4 years 49.7% +/-0.5 57.0% +/-0.7 43.0% +/-0.7 96.4% +/-0.1 88.5% +/-0.2 11.5% 5 to 9 years +/-0.298.6% +/-0.1 90.8% +/-0.2 9.2% +/-0.2 10 to 14 years 15 to 17 years 96.8% +/-0.1 91.8% +/-0.2 8.2% +/-0.2 71.0% 87.2% +/-0.5 18 and 19 years +/-0.5 12.8% +/-0.5 20 to 24 years 41.4% +/-0.3 83.4% +/-0.4 16.6% +/-0.4 +/-0.2 76.8% 25 to 34 years 13.4% +/-0.6 23.2% +/-0.6+/-0.1 75.5% +/-0.5 24.5% 35 years and over 3.6% +/-0.5 Population 18 years and over 27,043,417 +/-1,047 (X) (X) (X) (X) Enrolled in college or graduate school 10.5% +/-0.1 79.8% +/-0.3 20.2% +/-0.3 +/-1.698 Males 18 years and over 13,409,873 (X) (X) (X) (X)

Ranking Tables



- for states
- from 2008 from 2007

from 2006 from 2005

with statistical significance

View...

as a chart

Other tables...

Select another ranking table

- Subject Definitions
- Quality Measures



United States and States

R1601. Percent of People 5 Years and Over Who Speak a Language Other Than English at Home

Universe: Population 5 years and over 🚱

Data Set: 2008 American Community Survey 1-Year Estimates
Survey: American Community Survey, Puerto Rico Community Survey

NOTE. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see <u>Survey Methodology</u>.

Rank ↓	State ↓	Percent	Margin of Error
1	California	42.3	+/-0.2
2	New Mexico	35.4	+/-0.8
3	Texas	33.8	+/-0.2
4	New York	29.0	+/-0.2
5	Nevada	27.9	+/-0.6
5	New Jersey	27.9	+/-0.3
7	Arizona	27.5	+/-0.3
8	Florida	25.9	+/-0.2
9	Hawaii	25.4	+/-1.0
10	Illinois	21.9	+/-0.2
11	Massachusetts	21.0	+/-0.4
12	Rhode Island	20.0	+/-0.7
13	Connecticut	19.8	+/-0.4
	United States	19.7	+/-0.1
14	Colorado	17.0	+/-0.3
15	Washington	16.7	+/-0.3
16	Maryland	15.1	+/-0.3
17	Alaska	14.8	+/-0.7
18	District of Columbia	14.4	+/-1.0
19	Oregon	14.0	+/-0.4
19	Utah	14.0	+/-0.4
21	Virginia	13.3	+/-0.3

Ranking Tables



for states

from 2008

from <u>2007</u>

from 2006

from 2005

without statistical significance

View...

as a <u>chart</u>

Other tables...

Select another ranking table

- Subject Definitions
- Quality Measures



United States and States

R1601. Percent of People 5 Years and Over Who Speak a Language Other Than English at Home

Universe: Population 5 years and over 🚱

Data Set: 2008 American Community Survey 1-Year Estimates
Survey: American Community Survey, Puerto Rico Community Survey

Select a state and click 'GO', or click a row of the table to see statistical significance.

New Jersey



The presence of a • indicates geographies whose estimates are **not** statistically significantly different from the estimate for the selected geography. •• indicates the selected geography.

NOTE. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see <u>Survey Methodology</u>.

Rank		State	Percent	Margin of Error
1		California	42.3	+/-0.2
2		New Mexico	35.4	+/-0.8
3		Texas	33.8	+/-0.2
4		New York	29.0	+/-0.2
5	-	Nevada	27.9	+/-0.6
5		New Jersey	27.9	+/-0.3
7	•	Arizona	27.5	+/-0.3
8		Florida	25.9	+/-0.2
9		Hawaii	25.4	+/-1.0
10		Illinois	21.9	+/-0.2
11		Massachusetts	21.0	+/-0.4
12		Rhode Island	20.0	+/-0.7
13		Connecticut	19.8	+/-0.4
		United States	19.7	+/-0.1
14		Colorado	17.0	+/-0.3
15		Washington	16.7	+/-0.3
16		Maryland	15.1	+/-0.3
17		Alaska	14.8	+/-0.7

Geographic Comparison Tables

View this table...

from 2008

from 2007 from 2006 from 2005

View this table...

for other qeographies

Other tables...

select another table

- Subject Definitions
- Quality Measures



California -- Urban/Rural and Inside/Outside Metropolitan and Micropolitan Area

GCT1603. Percent of People 5 Years and Over Who Speak English Less Than "Very Well"

Universe: Population 5 years and over 🚱

Data Set: 2008 American Community Survey 1 Year Estimates

Survey: American Community Survey

NOTE. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see <u>Survey</u> <u>Methodology</u>.

Geographic area	<u>Percent</u>	Margin of Error
California	19.8	+/-0.1
URBAN AND RURAL		
Urban	20.7	+/-0.1
Rural	9.9	+/-0.4
INSIDE AND OUTSIDE METROPOLITAN AND MICROPOLITAN STATISTICAL AREA		
In metropolitan or micropolitan statistical area	19.9	+/-0.1
In metropolitan statistical area	20.1	+/-0.1
In principal city	22.9	+/-0.2
Not in principal city	17.4	+/-0.2
In micropolitan statistical area	4.7	+/-0.5
In principal city	5.6	+/-1.6
Not in principal city	4.3	+/-0.6
Not in metropolitan or micropolitan statistical area	6.1	+/-0.7

Source: U.S. Census Bureau, 2008 American Community Survey

2009 ACS Data Release

First release of ACS 5-year estimates

- Data will be available for small areas including
 - Census Tracts
 - Block Groups
- Will be based on data collected in 2005, 2006, 2007, 2008 and 2009

The 2009 ACS 1-year and the 2007-2009 ACS 3-year estimates will also be released

What Recent Content Changes have taken Place with the Questionnaire?

New Content

2008

- 1. Health Insurance Coverage
- 2. Service Connected Disability
- 3. Marital History

2009

1. Field of Undergraduate Degree

Wording and format changes in 2008 to match Census 2010 questions

Impact of Adding/Changing Content

- Some topics will only be available for 1-year data products
- New content will NOT be included in multi-year estimates, until sufficient data is collected (ie: takes 36 months of data collection to produce 3-year estimates).

For more information

Subscribe to "ACS Alert"

http://www.census.gov/acs/www/Special/Alerts.htm

Visit the ACS website:

http://www.census.gov/acs

Contact by telephone:

Marla Katz

215.717.1820

Contact by email:

Marla.A.Katz@census.gov